



Standards *Actions*

Documents Recently Published

The following DOE documents have recently been published:

- DOE-STD-1020-94 Change Notice No. 1, *Natural Phenomena Hazards Design and Evaluation Criteria for Department of Energy Facilities*, January 1996.
- DOE-STD-3006-95, *Planning and Conduct of Operating Readiness Reviews (ORR)*, November 1995.
- DOE-HDBK-1089-95, *Guidance for Identifying, Reporting and Tracking Nuclear Safety Noncompliances*, December 1995.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-2865.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., standards and handbooks) on the Internet. To date, 67 DOE technical standards have been placed on the Internet at the following address:

<http://apollo.osti.gov/html/techstds/techstds.html>

The following DOE technical standards have recently been placed on the Internet:

- DOE-ER-STD-6001-92 *Implementation Guide for Quality Assurance Programs for Basic and Applied Research*, June 1992.
- DOE-HDBK-1012/2-92 *Fundamentals Handbook, Thermodynamics, Heat Transfer, and Fluid Flow, Volume 2*, June 1992.
- DOE-HDBK-1013/1-92 *Fundamentals Handbook, Instrumentation and Controls, Volume 1*, June 1992.

- DOE-HDBK-1089-95 *Guidance for Identifying, Reporting, and Tracking Nuclear Safety Noncompliances*, December 1995.

Technical Standards Program Document Status as of 3/31/96

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
23	57	19	3

Total in process = 76

- DOE-STD-1021-93 Change Notice No. 1, *Natural Phenomena Hazards Performance Categorization Guidelines for Structures, Systems, and Components*, January 1996.

- DOE-STD-1022-94 Change Notice No. 1, *Natural Phenomena Hazards Site Characterization Guidelines*, January 1996.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group membership, call Bethany Marks at 212-642-4948. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ASTM D 2321, *Practice for Underground Installation of Thermoplastic Pipe for Sewers and other Gravity-Flow Applications* (new standard); comments due May 14, 1996.
- ASTM F 0512, *Specification for Smooth-Wall Poly(Vinyl Chloride) (PVC) Conduit and Fittings for Underground Installation* (new standard); comments due May 14, 1996.
- ASTM F 1412, *Specification for Polyolefin Pipe and Fittings for Corrosive Waste Drainage Systems* (new standard); comments due May 14, 1996.
- ASTM F 1474, *Test Method for Slow Crack Growth Resistance of Notched Polyethylene Plastic Pipe* (new standard); comments due May 14, 1996.
- ASTM F 1668, *Guide for Construction Procedures for Buried Plastic Pipe* (new standard); comments due May 14, 1996.
- NFPA 555-1996, *Guide on Methods for Evaluating Potential for Room Flashover* (new standard); comments due May 14, 1996.
- NFPA 1061, *Standard for Professional Qualifications for Public Safety Telecommunicator* (new standard); comments due May 14, 1996.
- NFPA 8504, *Standard on Atmospheric Fluidized-Bed Boiler Operation* (revision of ANSI/NFPA 8504-1993).
- SAE J1113/4-APR95, *Immunity to Radiated Electric Fields Bulk Current Injection (BCI) Method* (new standard); comments due May 14, 1996.
- SAE J1811-JAN95, *Power Cable Terminals* (new standard); comments due May 14, 1996.
- SAE J2121-APR95, *Requirements for Composite Lighting Assemblies Used on Construction and Industrial Machinery* (new standard); comments due May 14, 1996.

The following newly published American National Standards are available from ANSI:

- ANSI/ASQC S2-1995, *Introduction to Attribute Sampling*.
- ANSI/ESD S7.1-1994, *Protection of Electrostatic Discharge Susceptible Items - Resistive Characterization of Materials - Floor Materials*.
- ANSI/ISA S77.43-1994, *Fossil Fuel Power Plant : Unit/Plant Demand Development (Drum Type)*.

The following international standards are currently in coordination (comment due dates follow each entry) :

- ISO/DIS 10498, *Ambient air - Determination of sulfur dioxide - Ultraviolet fluorescence method* - May 22, 1996.
- ISO/DIS 11601, *Fire protection equipment - Wheeled extinguishers - Performance and construction requirements* - May 29, 1996.

- prEN ISO 917, *Testing of refrigerant compressors (ISO/DIS 917: 1996)* - July 15, 1996.
- prEN ISO 13757, *Liquefied petroleum gases - Determination of oily residues - High-temperature method (ISO/DIS 13757: 1996)* (for information).
- prEN ISO 13395, *Water quality - Determination of nitrite nitrogen and nitrate nitrogen and the sum of both by flow analysis (CFA and FIA) and spectrometric detection (ISO/DIS 13395: 1996)* (for information).
- prEN 357-1, *Glass in building - Transparent or translucent glass products for use in fire resistant glazed assemblies in building - Part 1: Specifications* - April 1, 1996.
- prEN 676, *Automatic forced draught burners for gaseous fuels* (for information).
- prEN 12257, *Transportable gas cylinders - Seamless, hoop wrapped composite cylinder - Specification* - May 8, 1996.
- prEN 12303, *Coal tar based oils - Terminology* - July 5, 1996.
- prEN 12316-1, *Flexible sheets for roofing - Determination of peel resistance of joints - Part 1: Bitumen sheets* - July 8, 1996.
- prEN 12327, *Pressure testing, commissioning and decommissioning procedures for gas supply systems* - July 15, 1996.
- prEN 12329, *Corrosion protection of metals - Electrodeposited coatings of zinc on iron or steel* - July 15, 1996.
- prHD 538.3 S1, *Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 KVA, with highest voltage for equipment not exceeding 36 kV - Part 3: Determination of the power rating of a transformer loaded with nonsinusoidal current* - June 12, 1996.

The following newly published international standards are available from ANSI:

- ISO 3252: 1996, *Powder metallurgy - Vocabulary*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9692. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division

at 610-832-9743 (FAX 610-832-9666). ASTM is developing a World Wide Web home page. The current version can be visited at <http://www.astm.org>. The following listings are extracted from ASTM *Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination: (the due date for all items is April 10, 1996).

- New Standard, *Specification for Architectural Flat Glass Clad Polycarbonate* (Ref. Z4659Z).
- New Standard, *Guide for Assessing Biodegradability of Hydraulic Fluids* (Ref. Z6051Z).
- New Standard, *Test Method for Semi-Quantitative Field Test Method for Base Number in Petroleum Products by Color-Indicator Titration* (Ref. Z6053Z).
- New Standard, *Test Method for Total Fluorine in Coal and Coke by the Pyrohydrolytic Extraction and the Ion Selective Electrode or Ion Chromatograph Methods* (Ref. Z5668Z).
- New Standard, *Test Method for Measuring the Corrosivity of Smoke From the Burning of Thermal Decomposition of Materials and Products Using a Radiant Apparatus* (Ref. Z3314Z).
- E 108-95, *Test Methods for Fire Tests of Roof Coverings* (revision).
- E 1678-95, *Test Method for Measuring Smoke Toxicity for Use in Fire Hazard Analyses* (revision).
- New Standard, *Practice for Visual Inspection of Photovoltaic Modules* (Ref. Z5946Z).
- New Standard, *Test Method for Determination of Susceptibility of Metals to Embrittlement in Hydrogen Containing Environments At High Pressure, High Temperature, or Both* (Ref. Z4522Z).
- New Standard, *Test Method for Determining Atmospheric Chloride Deposition Rate by the Wet Candle Method* (Ref. Z5976Z).
- C1312, *Practice for Making and Conditioning Chemical-Resistant Sulfur Polymer Cement Concrete Test Specimens in the Laboratory* (new standard).
- E 903-82(1992), *Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres* (revised standard).
- E 972-88(1992), *Test Method for Solar Photometric Transmittance of Sheet Materials Using Sunlight* (revised standard).
- E 1036-85(1993), *(Includes change in designation Number), Test Methods for Electrical Performance of Nonconcentrator Terrestrial Photovoltaic Modules and Arrays Using Reference Cells* (revised standard).

The following newly published standards are available from ASTM:

- C 1311-95, *Specification for Solvent Release Sealants* (new standard).
- C 162-95a, *Terminology of Glass and Glass Products* (revised standard).
- D 2361-95, *Test Method for Chlorine in Coal* (revised standard).
- D 3911-95, *Test Method for Evaluating Coatings Used in Light-Water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions* (revised standard).
- D 4082-95, *Test Method for Effects of Radiation of Coatings Used in Light-Water Nuclear Power Plants* (revised standard).
- D 4228-95, *(Includes change to title), Practice for Qualification of Journeyman Painters for Application of Coatings to Steel Surfaces of Safety Related Areas in Nuclear Power Facilities* (revised standard).
- D 5727-95, *Specification for Emulsified Refined Coal Tar (Mineral Colloid Type)* (new standard).
- D 5812-95, *Test Method for the Determination of Organochlorine Pesticides in Water by Capillary Column Gas Chromatography* (new standard).
- D 5814-95, *Practice for Determination of Contamination in Recycled Poly(Ethylene Terephthalate) (PET) Flakes and Chips Using a Plaque Test* (new standard).
- D 5860-95, *Test Method for Evaluation of the Effect of Water Repellent Treatments on Freeze-Thaw Resistance of Hydraulic Cement Mortar Specimens* (new standard).
- E 1675-95a, *Practice for Sampling Two-Phase Geothermal Fluid for Purposes of Chemical Analysis* (revised standard).
- E 1702-95, *Practice for Dosimetry in a Gamma Irradiation Facility for Radiation Processing* (new standard).
- E 1739-95, *Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites* (new standard).
- E 1740-95, *Test Method for Determining the Heat Release Rate and Other Fire-Test-Response Characteristics of Wallcovering Composites Using a Cone Calorimeter* (new standard).
- E 1741-95, *Practice for Preparation of Airborne Particulate Lead Samples Collected During Abatement and Construction Activities for Subsequent Analysis by Atomic Spectrometry* (new standard).
- E 1753-95, *Practice for Use of Qualitative Chemical Spot Test Kits for Detection of Lead in Dry Paint Films* (new standard).
- F 1644-95, *Guide for Health and Safety Training of Oil Spill Responders* (new standard).

- E 1656-95, *Guide for Health and Safety Training of Oil Spill Responders in the United States* (new standard).
- PS 37-95, *Practice for Conducting Environmental Baseline Surveys* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers

Office: 345 East 47th Street
New York, NY 10017

Contact: Joseph Pang

- BSR/ASME NUM-1, *Rules for Construction of Cranes, Monorails, and Hoists (with Bridge or Trolley or Hoist of the Underhung Type)* (new standard).

National Fire Protection Association

Office: 1 Batterymarch Park
Quincy, MA 02269-9101

Contact: Arthur E. Cote

- NFPA 68, *Venting of Deflagrations* (revision).
- NFPA 101A, *Alternative Approaches to Life Safety* (revision).
- NFPA 160, *Flame Special Effects Before a Proximate Audience* (new standard).
- NFPA 801, *Facilities Handling Radioactive Materials* (revision).
- NFPA 802, *Nuclear Research and Production Reactors* (revision).
- NFPA 803, *Fire Protection for Light Water Nuclear Power Plants* (revision).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856. Questions or comments may also be referred to Don Spellman, 423-574-7891, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065. The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886.



Standards *Actions*

United States Department of Energy

Office of Scientific and Technical Information

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